

ABSTRACT OF THE DISCLOSURE

METHOD FOR THE SYNTHESIS OF A 3D INTERVISIBILITY IMAGE

The field of the invention is that of methods for the synthesis of a 3D mapping image consisting of pixels and representing the distribution of the intervisibility area on a terrain overflown by an aircraft. An intervisibility area is understood to mean the area within range of a known potential threat. The method of the invention represents the intervisibility area in the form of the surface layer constituted by points belonging to the sphere covered by the threat, such that the distance from each point of the surface layer to the point of the terrain having the same geographical coordinates should be as small as possible. This arrangement enables the aircraft pilot to have very clear and very easily interpretable information available to him. Furthermore, the method requires limited computation resources. This facilitates its implementation in onboard mapping generators.